

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1974	S64 and (dummy near3 (structure or via) (438/14).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/23 19:33
S2	561	(438/18).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/26 12:51
S3	7011	(438/14-18).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/26 12:51
S4	1598336	semiconductor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/26 12:52
S5	3142	S4 and test adj structure	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/26 12:52
S6	165	S5 and thermal adj cycl\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/26 12:52
S7	11	S6 and damascene	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/26 12:52

## EAST Search History

S8	141	S6 and via	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/26 12:52
S9	31	S8 and thermal near3 expansion	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/26 13:22
S10	12	("3852877"   "4386459"   "4441075"   "4578279"   "5283107"   "5756146"   "5863446"   "5916715"   "6118137"   "6221681").PN. OR ("6391669").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/26 12:56
S11	14070	((438/14-18) or (257/48) or (324/763-769)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/26 13:59
S12	145	S11 and thermal adj cycl\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/26 13:24
S13	4	S12 and damascene	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/26 13:23
S14	11	("20020004288"   "20020167071"   "20040048402"   "5637186"   "5981302"   "6028324"   "6329671"   "6472236"   "6605868"   "6613592"   "6680484").PN. OR ("6787803").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/26 13:24
S15	31	("5049811"   "5244839"   "5264377"   "5300307"   "5318924").PN. OR ("5514974").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/26 13:32
S16	8	("3892520"   "4815912"   "4966549"   "5368466"   "5452795"   "5549205").PN. OR ("5610081"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/26 13:33

## EAST Search History

S17	43	("3777260"   "4243937"   "5034796"   "5150042"   "5279975"   "5302891"   "5408190"   "5419807"   "5430383"   "5457400"   "5483175"   "5483741"   "5487999"   "5495179"   "5504035"   "5517515"   "5523697"   "5721496"   "5742169"   "5783461"   "5815000"   "5838161"   "5878485"   "5949241").PN. OR ("6022750"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/26 13:34
S18	78	("3795972"   "3835530"   "3839781"   "3849872"   "4104785"   "4288911"   "4778771"   "4866714"   "4967146"   "5047711"   "5059899").PN. OR ("5279975"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/26 13:38
S19	4	("5514974"   "5900735"   "6054721"   "6297644").PN. OR ("6842028"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/26 13:56
S20	15525	((438/14-18) or (257/48) or (324/537,763-769)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/26 16:06
S21	345	S20 and metal same reliability	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/26 14:08
S22	50	S21 and thermal near5 expansion	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/26 14:00
S23	0	("2002/0168786").URPN.	USPAT	OR	ON	2005/10/26 14:05
S24	63	S21 and thermal with (cycl\$3 test\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/26 14:09
S25	40	S24 NOT S22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/26 14:09

## EAST Search History

S26	15	("3676775"   "4520448"   "4945302"   "5057441"   "5239270"   "5260668").PN. OR ("5532600").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/26 14:17
S27	1400	S20 and test near5 structure	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/26 15:37
S28	518	S27 and reliability	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/26 15:37
S29	243	S28 and yield	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/26 15:37
S30	94	S29 and thermal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/26 15:38
S31	81	S30 and metal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/26 15:38
S32	2692	S20 and reliability	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/26 15:47
S33	4843177	S32 and thermal heat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/26 15:48

## EAST Search History

S34	1299	S32 and (thermal heat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/26 15:48
S35	238	S32 and (thermal near5 expans\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/26 15:48
S36	30	S20 and stress near5 migrat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/26 16:07
S37	4	("3548491").PN. OR ("6004827"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/26 16:09
S38	11	"5497407"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 08:51
S39	46	"4795260"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 09:01
S40	4	"6121060"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 09:00
S41	3	("5681987").PN. OR ("6121060"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/27 09:01
S42	47	("3977789"   "4406545"   "4544889"   "4597669"   "4636088").PN. OR ("4795260").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/27 11:12

## EAST Search History

S43	1977	(438/14).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/27 11:13
S44	211	S43 and ((monitor\$3 measur\$3) with (impurit\$3 ion dopant))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 11:14
S45	84	S43 and (BPSG)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 11:14
S46	19	S44 and (BPSG)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 11:14
S47	10268	(438/14,17,18,10,11,637-640,927). CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/23 14:49
S48	1402	(257/48).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/23 14:49
S49	1926	((29/593) or (374/5,57)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/23 14:49
S50	7121	(324/537,763-766).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/23 14:49

## EAST Search History

S51	19949	S47 or S48 or S49 or S50	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/23 14:50
S52	285	S51 and (stress with (void\$3 or migrat\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/23 14:51
S53	613	S51 and (coefficient near5 expansion)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/23 14:57
S54	36	S52 and (coefficient near5 expansion)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/23 14:56
S55	1375	438/18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/23 14:56
S56	2535	((438/18) or (257/48) or (374/5, 57)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/23 14:57
S57	436	S56 and (test near3 structure)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/23 14:58
S58	18	S57 and (coefficient near5 expansion)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/23 14:57

## EAST Search History

S59	8	S57 and (thermal near3 cycl\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/23 14:58
S60	300	S57 and (interconnect or via)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/23 14:58
S61	208	S60 and (yield or reliability)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/23 14:58
S62	2	("5497076").PN. OR ("6683465"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/23 15:11
S63	385	filippi-ronald\$.in. or gill-jason\$.in. or mcgahay-vincent\$.in. or mclaughlin-paul\$.in. murray-conal\$. in. or rathore-hazara\$.in. or shaw-thomas\$.in. or wang-ping-chuan\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/23 15:13
S64	36	(US-20030080766-\$ or US-20050227380-\$ or US-20030082901-\$ or US-20020024046-\$ or US-20040026693-\$ or US-20030082836-\$ or US-20020192944-\$ or US-20030072350-\$ or US-20050211980-\$ or US-20040206954-\$ or US-20040207383-\$ or US-20050272174-\$).did. or (US-6506615-\$ or US-6897476-\$ or US-6022750-\$ or US-6787803-\$ or US-5900735-\$ or US-5514974-\$ or US-6842028-\$ or US-6054721-\$ or US-6046060-\$ or US-5930587-\$ or US-5909123-\$ or US-6930382-\$ or US-6177286-\$ or US-6570181-\$ or US-6091080-\$ or US-5532600-\$ or US-6004827-\$ or US-5789315-\$ or US-6174743-\$ or US-6503765-\$ or US-6683465-\$ or US-6747445-\$ or US-6787800-\$ or US-6995392-\$): did.	US-PGPUB; USPAT	OR	ON	2006/03/23 19:32



## EAST Search History

S65	6	S64 and dummy	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/23 19:33
S66	1	S64 and (dummy near3 (structure or via))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/23 19:33
S67	2535	((438/18) or (257/48) or (374/5, 57)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/23 19:41
S68	307	S67 and test adj structure	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/23 19:41
S69	3	S68 and (via near3 dummy)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/23 19:42
S70	3	S68 and (via near5 dummy)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/23 19:44
S71	2	("6864701").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/23 19:44

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